Alzheimer's disease (AD) is the major cause of dementia that has a devastating effect both on patients and care givers. Age is a major risk factor for AD, and with the anticipated demographic change to a more aged population, the prevalence of AD is set to soar to over 100 million by 2050. Unless medicines are found that are able to slow or stop the progression of the disease, the cost of the disease to healthcare providers will be unsustainable.

This meeting brings some of the world’s leaders in academic research together with pharmaceutical researchers who have made key breakthroughs in developing therapeutic approaches in this most challenging of diseases. The programme reviews the foundational science and moves on to review therapeutic approaches that target amyloid and tau pathology.

09.00 Registration and coffee

10.00 **Session 1:**
Will new genetic findings in AD translate to new therapies?
**Prof. John Hardy FRS,** *Institute of Neurology, UK*

10.40 Testing the amyloid cascade hypothesis in the clinic – a challenge to the current paradigm.
**Eric Karran,** *Institute of Neurology, UK*

11.20 Gamma secretase as a target - is it over or just beginning?
**Prof Bart De Strooper,** *KULeuven, Belgium*

12.00 Lunch

**Next SMR Meeting:**

**Thursday 14th June 2012:**
“*Respiratory Drug Discovery-Current Developments and Future Challenges*”
Novartis, GB- Horsham, West Sussex RH12 5AB
(Please visit our wesite to view further meetings in 2012)
Programme:

13.00 **Session 2:**
Gamma secretase modulators - current progress and challenges
**Harrie Gijssen,** *Janssen Pharmaceuticals,* Beerse, Belgium

13.35 BACE inhibition – a tough target starts to yield
**Andrew Stamford, PhD,** *Discovery Chemistry, Merck Research Laboratories,* Rahway, NJ

14.10 Gantenerumab and anti-Aβ antibodies – current progress and future prospects
**Luca Santarelli, MD, Sr. VP,** *Head of Neuroscience, Roche, Basel, Switzerland*

14.45 Coffee

15.15 **Session 3:**
Tau pathology – opportunities for therapeutic intervention
**Marc Mercken,** *Janssen Pharmaceuticals,* Beerse, Belgium

15.50 GSK3β inhibitors as a potential target to ameliorate tau pathology
**Prof. Per I. Arvidsson,** *iMed Project Director CNS & Pain, AstraZeneca*

16.25 Close

**MEMBERSHIP**
The SMR is a multi-disciplinary society for all those engaged in drug research and development and this broad remit is reflected in the composition of the committee and the range of topics covered by our high-quality one-day meetings.

In line with the SMR’s educational charter, the membership subscription of the SMR is deliberately low at £25* (Sterling) per annum (UK tax payers can claim relief on the payment). Members can attend the one-day meetings at substantially reduced rate and receive the SMR Newsletter which is published twice yearly.

JOIN US ONLINE AT WWW.SMR.ORG.UK
Alzheimer's disease therapeutics - are we winning or losing?

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Registration Fees:

SMR members: £85 □  Students: £35 □

Non-Members: £125 □  Retired members: £35 □  Honorary Life Member (FREE) □

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Fees once paid are not refundable unless a cancellation is received at least 5 working days prior to the event. Delegate substitutes are permitted at any time. Join on-line at www.smr.org.uk or through our secretariat at the address given below.

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